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Regional Director Active

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REVIEWS

General Chemistry Workbook: How to Solve Chemistry Problems:

Conway Pierce and R. Nelson Smith, W. H. Freeman.

More comprehensive than title implies. Includes ample coverage of exponents, logarithms, slide rule, chemical nomenclature and units, as well as computation of sizes and shapes of molecules, stoichiometry, oxidation-reduction, colligative properties of solutions, acid-base equilibria, and many other topics. Properly used by a teacher, this book could do much to "modernize" a traditional high school chemistry course. In a "modern" course, it would be stimulating, challenging, and helpful to students. For college students it would also be a helpful supplement and workbook.

An Introduction to Modern Chemistry,
Michael J. S. Dewar, Oxford University Press.

This is a 206 page paperback giving an excellent introduction to modern chemistry for those who presently have a general background in chemistry and physics. A basic knowledge of algebra and trigonometry is necessary in all chapters and a basic knowledge of calculus is needed in the last chapter. Included in the book are discussions of wave mechanics, atomic and molecular structure, statistical mechanics, thermodynamics, and rates of chemical reactions.

This book is a result of several lectures given to freshman students while Professor Dewar was at the University of London.

The Metaphysical Foundations of Modern Physical Science

Edwin Burtt, Doubleday Anchor Books

This modern classic in the philosophy of science describes and analyzes the greatest revolution in the history of Western thought — the shift from the medieval to the modern view of man's place in the universe. Through close and exact examination of the works of Copernicus, Kepler, Galileo, Descartes, Hobbes, Gilbert, Boule, and Newton, Professor Burtt establishes the reasons for the triumph of the new

view of the world, and also describes certain limitations in this view which have characterized modern science to the present day. This is a criticism as well as a history of the change that made possible the rise of modern science. It is also a guide to the understanding of the methods and accomplishments of the great philosopher-scientists of the sixteenth and seventeenth centuries.

Greek Science in Antiquity, Marshall Claggett, Collier Books

This book is a clear appraisal of the contributions made by the ancient Greeks to modern science. The author examines these concepts that have endured and explains the evolutionary changes in those that have not — from their primitive origins in the naturalism of the Stone Age to their refinement in the works of such men as Euclid, Archimedes, and Appolonius of Perga. He goes on to trace the absorption of Greek science in late antiquity by the western and eastern halves of the Roman Empire, and its modification by the rise of Christianity. In addition, Dr. Claggett describes and evaluates the physical world of Aristotle and of other early scientific observers, and provides lucid explanations of such diverse topics as Ptolemy's famous system of the heavens and Hero's outline of the theory of machines.

Regional Director Active

For the first time in the history of ISTS, regional directors were in attendance at the fall board meeting of ISTS. All are planning for a regional meeting of ISTS between December 1 and April 1. The next issue of the Journal will carry reports of the dates and meeting places for these nine meetings in the state.

The Regional Directors are promoting membership in the Academy all across the state. In addition, they are searching for advertisers and representing the Academy in other ways. We trust that all members of the Academy will cooperate with their efforts completely.